



Republic of Mauritius

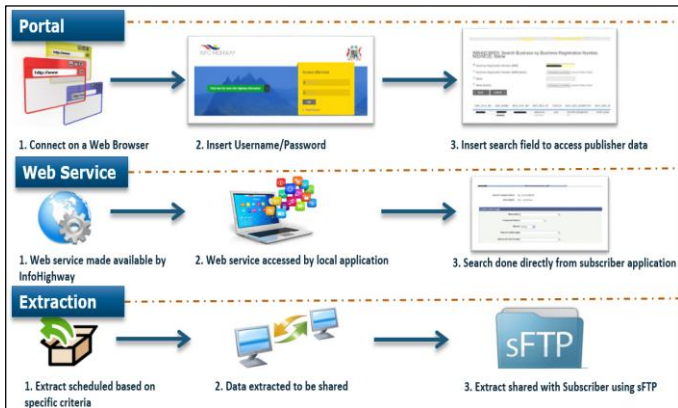
Ministry of Technology, Communication & Innovation



Overview

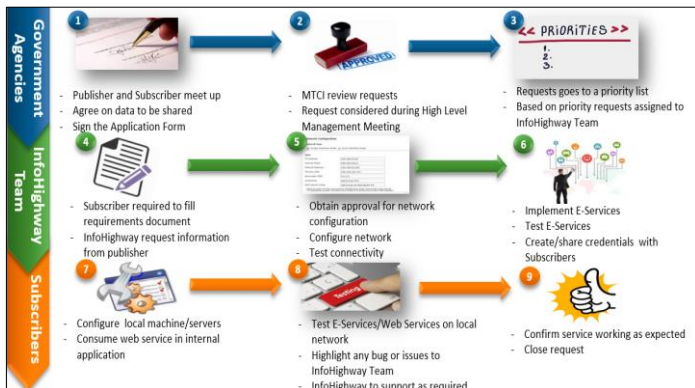
InfoHighway is a Government Infrastructure, which provides for sharing of data amongst Government Agencies and is designed as the service platform, which allows multiple Government agencies to share data via E-Services to other agencies.

This scalable platform hosted at the Government Online Centre uses the Service Oriented Architecture (SOA) and the 'Publish and Subscribe' model, whereby data is being published by an authorized Government agency (Publisher) on the platform and the same being accessed by the other Government agencies (Subscriber) through either of the 3 methods stated below:



Application Workflow

The diagram below shows the processes involved in order to join the InfoHighway platform. This process is completed within 14 days and the subscriber starts receiving data from the publisher.



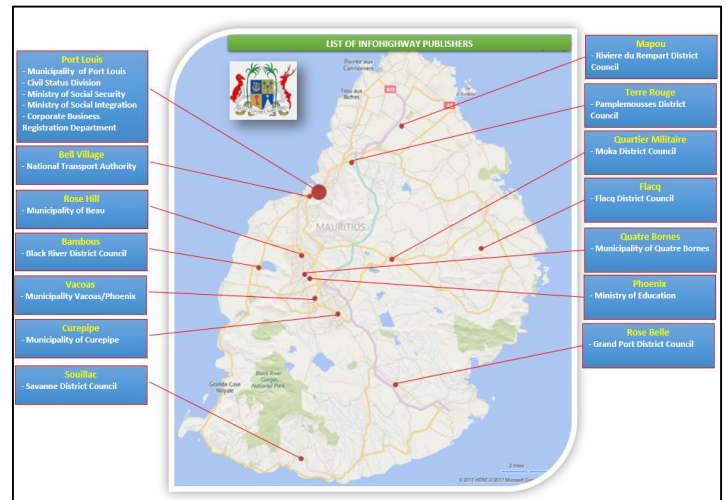
Achievements

InfoHighway is currently the invisible yet crucial environment that allows the nation's various databases in the public sector to be linked and operate in harmony, as it provides a single platform for the exchange of data between these databases through E-Services.

Overall, InfoHighway addresses the majority of data operational concerns faced by agencies and provides several improvements and benefits to both Government and parastatal institutions.

The connection of multiple strategic public and parastatal agencies such as the Central Business Registration Department (CBRD), the Civil Status Division (CSD), the Economic Development Board (EDB), the Mauritius Revenue Authority (MRA) and the National Transport Authority (NTA) has been a key milestone in the delivery of services with the technical breakthrough of the InfoHighway.

The picture below shows a list of Publishers and their physical location over the island.

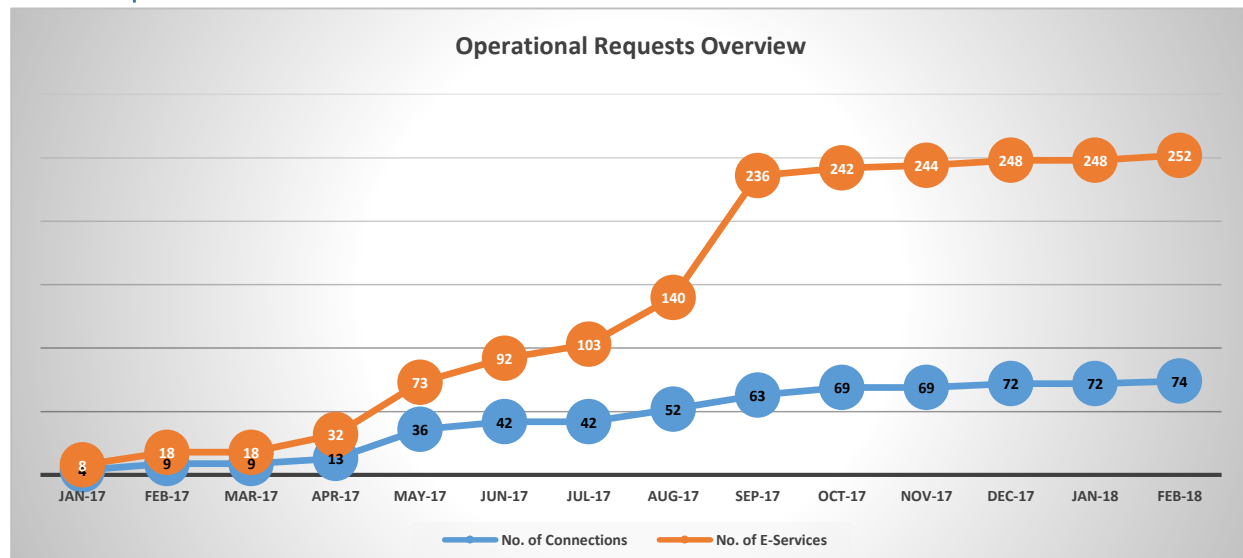


InfoHighway presently enables a total of **74** connections between various Ministries and departments including parastatal institutions and **253** E-Services, which provide for sharing of data amongst the above-mentioned entities.

InfoHighway Evaluation

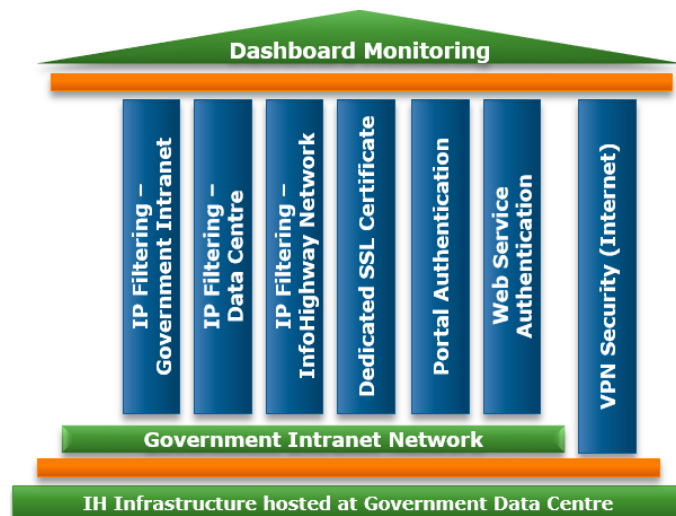
Past State	Present State with InfoHighway	Change Factor
<ul style="list-style-type: none"> Delayed data, lost data. 	<ul style="list-style-type: none"> No delay or data lost during transmission. 	<ul style="list-style-type: none"> Data is electronically transmitted in a secured environment. Point-to-Point connection does not require human intervention during transmission between publisher and authorized subscribers/users.
<ul style="list-style-type: none"> Right data, wrong recipient. 	<ul style="list-style-type: none"> Data will be provided to the right authorized requesting agencies/users via electronic means. Removal of misrouting and exposing sensitive data to wrong parties. 	<ul style="list-style-type: none"> The identification of who are the subscribers and users ensures that the published data is being provided to authorized users who have been identified.
<ul style="list-style-type: none"> My data is your data is anybody's data. Non-alignment with the Data Protection Act in terms of specific usage and privacy as Data is freely shared without monitoring. 	<ul style="list-style-type: none"> Closer adherence to the Data Protection Act. Clarity on who are the authorized Publishers and Subscribers. Data is used for specific usage and not for other purpose. 	<ul style="list-style-type: none"> Enforcement of the Data Sharing Policy. Only rightful owners or custodian of data can publish data. Subscribers not permitted to forward data to undeclared entities. Subscribers must declare all receiving parties and state specific usage of the required data.
<ul style="list-style-type: none"> Data provided in CD or sent via email are easily copied by anyone who has access to it. 	<ul style="list-style-type: none"> Provision of data is done electronically. The window of opportunity and the chances of data leak is removed. 	<ul style="list-style-type: none"> Retrieved data lists are put together as and when triggered by a user or a schedule. There is no ready 'list' kept in the InfoHighway to be copied or manipulated by even authorized users.
<ul style="list-style-type: none"> Unsupervised sharing of data amongst agencies are causing inconsistency and data integrity issues. 	<ul style="list-style-type: none"> More control over what data is being shared. Contain and discourage unauthorized modification of data. Data modification is done only by the rightful data owner. Improved data consistency amongst Public Agencies. 	<ul style="list-style-type: none"> Data is provided only as per request and to specific users. InfoHighway controls the type of data and the dissemination of data to known authorized subscribers.
<ul style="list-style-type: none"> Rework and extra time is required to provision the missing data, which was not received. 	<ul style="list-style-type: none"> More efficient handling of data requests. Reduce time spent on rework. 	<ul style="list-style-type: none"> Change of data sets and schedules can be modified through the Management Modules via the Portal. The deployment of the Publisher Agent addresses the many hours spent in putting together a data list for a requestor.
<ul style="list-style-type: none"> Disruption to operations as required data was not available on time. Impact to citizens. 	<ul style="list-style-type: none"> Improved access to required data on a timely basis. Required data will be available real time on demand. Reduced Operation disruption leading to improved citizen's experience. 	<ul style="list-style-type: none"> InfoHighway provides the most updated data on demand and as required by the Subscribers' operational and business needs either via online interactive channel or non-interactive such as schedules.

Operational Requests



Security

The InfoHighway platform acts as a bridge between the subscribers and the publishers to share data. To ensure safe data sharing and prevent intruders and incorrect usage of information, the platform is protected by a number of security layers.



Legal Framework

The exchange and sharing of data between Publishers and Subscribers within the InfoHighway operate within the following legal framework:

Legislations	Sections
Computer Misuse and Cybercrime Act	
Data Protection Act	3(4)(a) & 28(1)(b)
Electronic Transactions Act	
Information and Communication Technologies Act	
Civil Status Act	17A(2)(a) and (b)
Business Registration Act	14(1A)(a) and (b)
Immigration Act	9D(5)(a) and (b), 9F
Non-citizens (Employment Restriction) Act	

A High Level Management Team chaired by the Ministry of Technology, Communication and Innovation comprising representatives of the Ministry of Finance and Economic Development, Board of Investment, State Law Office, the Civil Status Division and the Data Protection Commissioner considers and approve new requests for data sharing.

InfoWatch Dashboard

The InfoHighway platform is fully transparent and is monitored in real-time by a dedicated maintenance team and by the publishers of data through especially designed interactive tools.



Stakeholders Reviews

"The use of InfoHighway by the Mauritius Revenue Authority (MRA) for the Negative Income Tax measure in 2017 has been an outstanding and at the same time an innovative breakthrough in delivery of services by a parastatal organisation in Mauritius."

Mauritius Revenue Authority (MRA)

"Since January 2017, the InfoHighway platform has contributed to a savings of 1.04 years of working time."

Ministry of Technology, Communication & Innovation (MTCI)

"The InfoHighway has opened up a new chapter, with one of the most robust service delivery platform conceived to be at the heart of many e-Government initiatives in Mauritius."

Central Informatics Bureau (CIB)

"The InfoHighway is a key enabler for transforming inter-agency data sharing for improved business facilitation."

Economic Development Board (EDB)

"The InfoHighway has brought a radical transformation in the way we interact with our stakeholders by providing a unique and innovative way of sharing information and, hence, contributing to the Ease of Doing Business in Mauritius."

Corporate & Business Registration Department (CBRD)



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